

Examiner 3. Goff

AN 1976:94128 HCAPLUS  
DN 84:94128  
TI High-strength and high-conductive electric conductor **copper**  
alloy  
IN Ueyama, Norihiko; Yuzawa, Giichi; Hirano, Yasuaki  
PA Furukawa Electric Co., Ltd., Japan  
SO Jpn. Kokai Tokkyo Koho, 2 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN. CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 50077216	A2	19750624	JP 1973-127008	19731112
PRAI	JP 1973-127008		19731112		

AB The **Cu** alloy contains 0.50-1.0 **Sn** and 0.10-0.50 **Ag** and is useful for high tension wire or conductors. Thus, a **Cu** alloy [58354-32-8] ingot contg. 0.8 **Sn** and 0.2% **Ag** was drawn to 10 mm diam. at 800-850.degree., heat treated 1 hr at 650.degree., and cold drawn to 1.0 mm. The properties were tensile strength .apprx.69 kg/mm2 and elec. cond. .apprx.59% IACS.

$$\frac{69 \text{ kg/mm}^2}{0.117 \text{ kg/mm}^2} = 589.7 \text{ MPa}$$